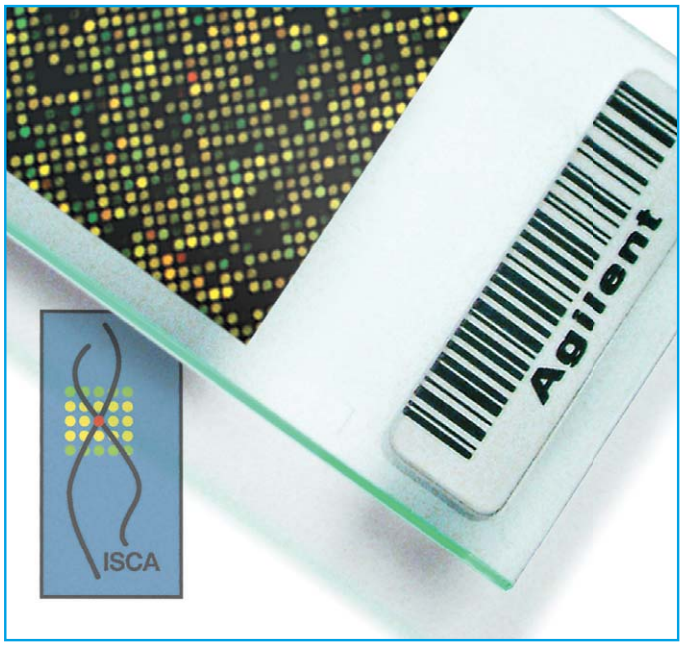
VARIANTS BETTER DEFINED

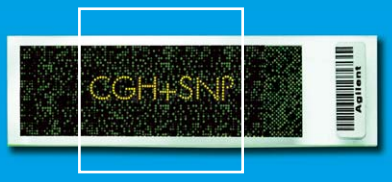


ISCA SurePrint Microarrays

Agilent Cytogenetic Research Solution

The Measure of Confidence

Agilent Technologies



From Sample to Result

CGH probes and **SNP probes** on one microarray!

Choose Your Catalog ISCA Microarray

Use the ISCA microarray to discover copy number and copy-neutral genetic variations

CGH+SNP

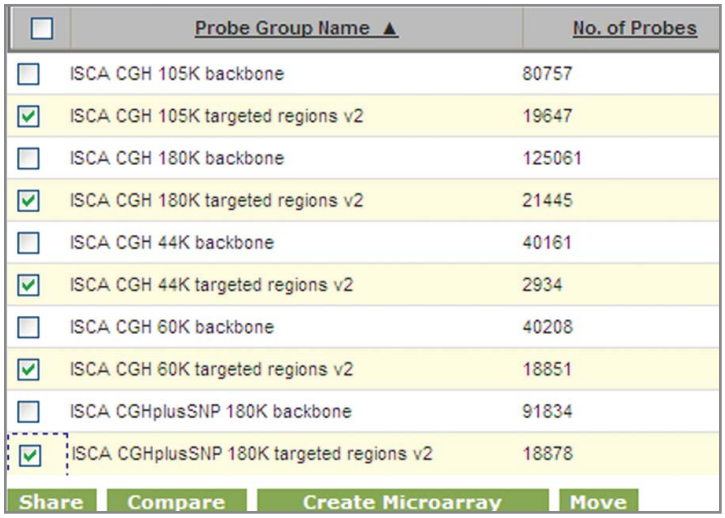
Description	Part Number	Number of targeted ISCA regions	Backbone probe density	LOH/UPD resolution	
CGH+SNP 4x180K	G4890A (kit of 3 slides)	~500	25 Kb	5-10 Mb	

CGH-only

Description	Part Number	Number of targeted ISCA regions	Backbone probe density	LOH/UPD resolution	
ISCA 4x180K v2	G4826A AMADID 031748	~500	25 Kb	NA	
ISCA 8x60K v2	G4827A AMADID 031746	~500	60 Kb	NA	
ISCA 2x105K v2	G4425B AMADID 031750	~500	35 Kb	NA	
ISCA 4x44K v2	G4426B AMADID 031747	~230	75 Kb	NA	

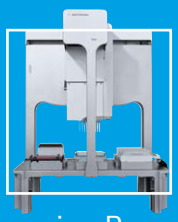
Design Your Custom ISCA Microarray

Use the ISCA targeted regions probe groups and add your own content in eArray, Agilent's free, web-based tool to create custom array designs.


Probe Group Name ▲
No. of Probes
ISCA CGH 105K backbone 80757
ISCA CGH 105K targeted regions v2 19647
ISCA CGH 180K backbone 125061
ISCA CGH 180K targeted regions v2 21445
ISCA CGH 44K backbone 40161
ISCA CGH 44K targeted regions v2 2934
ISCA CGH 60K backbone 40208
ISCA CGH 60K targeted regions v2 18851
ISCA CGHplusSNP 180K backbone 91834
ISCA CGHplusSNP 180K targeted regions v2 18878
Share
Compare
Create Microarray
Move

Visit: http://www.e-array.com

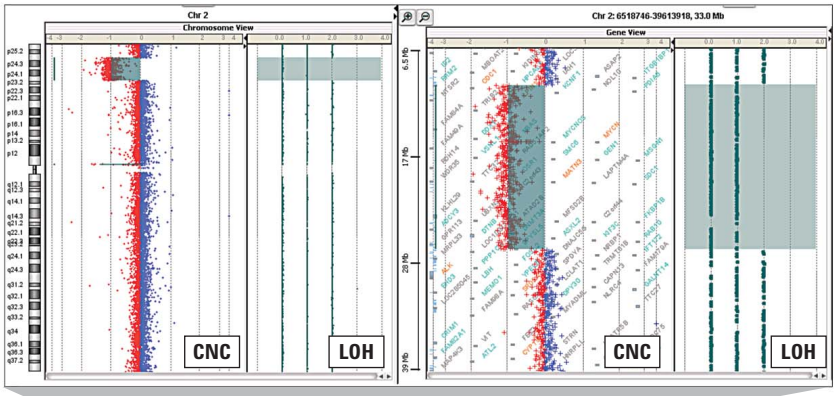
ISCA CGH+SNP Microarrays



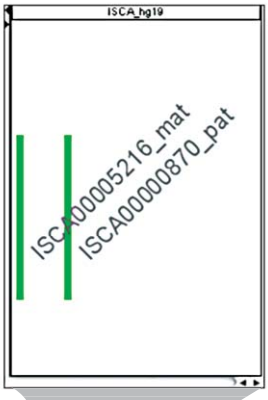
Processing Reagents and Hardware

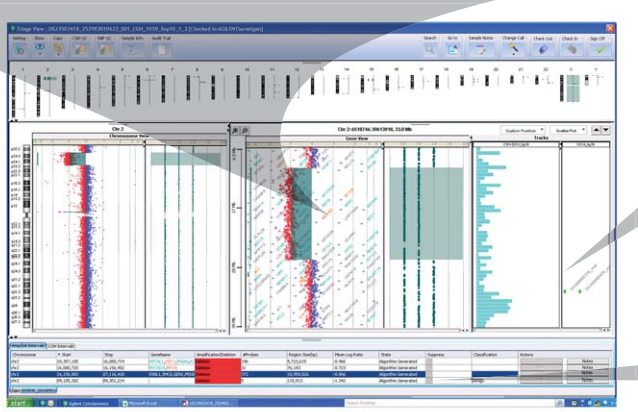
Agilent CytoGenomics Analysis Software

Visualization of CNC and LOH data

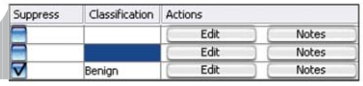


Import tracks from UCSC,ISCA, ...





Suppress, edit or annotate calls



Download free trial at http://www.e-array.com

Agilent CytoGenomics Software:

Designed specifically for cytogenetic research

- *Data comparison to external databases including OMIM and DGV*
- *Search and compare with your in-house database*
- *Automation of TIFF image upload, feature extraction, and analysis*
- *Generate custom reports*
- *Streamlined analysis of normal constitutional samples, in less than 5 minutes*

Comprehensive Portfolio of Processing Reagents and Hardware*

Agilent SurePrint G3 CGH+SNP Microarrays

Description	Area of Focus	Part Number
SurePrint G3 Human CGH+SNP Microarray 4x180K	ISCA	G4890A
SurePrint G3 Human CGH+SNP Microarray 2x400K	Genes and exons	G4842A
SurePrint G3 Custom CGH+SNP Microarray 1x1M	User-defined	G4882A
SurePrint G3 Custom CGH+SNP Microarray 2x400K	User-defined	G4883A
SurePrint G3 Custom CGH+SNP Microarray 4x180K	User-defined	G4884A
SurePrint G3 Custom CGH+SNP Microarray 8x60K	User-defined	G4885A

Reagents

Processing Step	Product Name	Part Number
Sample Labeling	SureTag Complete DNA Labeling Kit	5190-4240
Sample Hybridization	Oligo aCGH/ChIP-on-chip Hybridization Kit (25) or (100)	5188-5220 or 5188-5380
	Human Cot-1 DNA	5190-3393
Microarray Wash	Oligo aCGH/ChIP-on-chip Wash Buffer Kit	5188-5226

Hardware

Hardware Type	Product Name	Part Number
DNA Microarray Scanner	SureScan Microarray Scanner	G4900DA
Hybridization Oven & Accessories	Hybridization Oven	G2545A
	Hybridization Chamber Rotator Rack	G2530-60029
Hybridization Chamber & Accessories	SureHyb Hybridization Chamber – Stainless	G2534A
	Hybridization Backing Kit	Varies by array format and quantity
	Ozone-Barrier Slide Cover Kit	G2505-60550
Liquid Handler	Bravo Automated Liquid Handling Platform	G5409A Option 002

Software

Processing Step	Product Name	Part Number
Data Analysis	Agilent CytoGenomics	G1662AA–G1667AA

* Agilent microarrays, reagents and scanner are manufactured under ISO13485 certification.

NOW IT'S EASY TO BUY ONLINE!

Visit **www.agilent.com/genomics/register** to get started.

- Take advantage of web-only promotions
- Buy with purchase order or credit card
- Save billing and shipping information to streamline ordering process
- View order status and history

For more information, visit www.agilent.com/genomics/cgh_snp

Find an Agilent customer center in your country: www.agilent.com/genomics/contactus

U.S. and Canada 1-800-227-9770 agilent_inquiries@agilent.com

Europe info_agilent@agilent.com

Asia Pacific inquiry_lsca@agilent.com

This item is not approved for use in diagnostic procedures. User is responsible for obtaining regulatory approval or clearance from the appropriate authorities prior to diagnostic use.

© Agilent Technologies, Inc., 2011
Published in USA, December 16, 2011
5990-7218EN

Agilent Technologies